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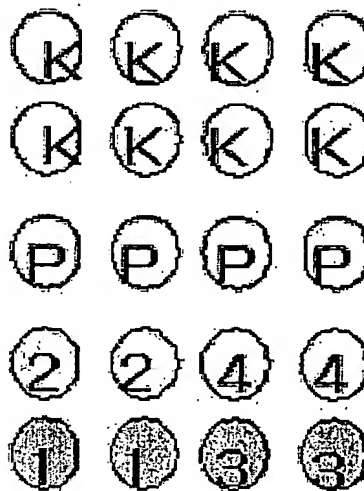
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(54) Title: A PROTEIN CHIP FOR ANALYZING INTERACTION BETWEEN PROTEIN AND SUBSTRATE PEPTIDE THEREOF



(57) Abstract: The present invention relates to a protein chip of a S-L-SP form wherein a substrate peptide (SP) is immobilized on a solid substrate (S) by the mediation of a linker protein (L), as well as a method for analyzing the interaction between a reactive protein and its substrate peptide using such a protein chip. This analysis method for the interaction between a reactive protein and its substrate peptide using the protein chip comprises the steps of: adding a reactive protein to the protein chip, the reactive protein showing a specific interaction with the substrate protein immobilized on the protein chip; and detecting the interaction between the reactive protein and the substrate peptide. The present invention allows an increase in the reactivity between a peptide with low molecular weight and an enzyme with high molecular weight and between the peptide and a reactive antibody on the protein chip, so that the interaction between the peptide and the protein can be analyzed rapidly and massively.

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